



#4/Pre-Amendment  
5-17-03  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Ida, et al.

Title: SEMICONDUCTOR APPARATUS

App. No.: 10/027,911

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Assistant Commissioner for Patents

Washington, D.C. 20231

**PRELIMINARY AMENDMENT**

Dear Sir:

Please amend the claims as follows:

**In the Claims:**

Please amend claims 23 through <sup>28</sup>29 as follows:

22. The apparatus of claim 21 further comprising:

- a first circuit connected to the first voltage reference node; and  
a second circuit connected to the second voltage reference node.

23. The apparatus of claim 22 wherein the first circuit is an analog circuit and the second circuit is a digital circuit.

24. The apparatus of claim 22 wherein the first circuit is a radio frequency analog circuit.

25. The apparatus of claim 23 wherein the second circuit is a digital circuit.

26. The apparatus of claim 24 wherein the second circuit is an analog circuit.

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Al  
Walt